SCORE Search Results Details for Application 10621269 and Search Result 20081027_145924_us-10-621-269a-2.rai.

This page gives you Search Results detail for the Application 10621269 and Search Result 20081027_145924_us-10-621-269a-2.rai.

Go Back to previous page

GenCore version 6.3

OM protein - protein search, using sw model

Run on: October 27, 2008, 19:48:43 ; Search time 149 Seconds
(without alignments)
208.064 Million cell updates/sec

Title: US-10-621-269A-2
Perfect score: 824
Sequence: 1 MGWTWIFILILSVTTGVHSE.....TTVTVSSATTTAPSVYPLVP 152

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1246758 seqs, 204424702 residues

Total number of hits satisfying chosen parameters: 1246758

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /ABSS/Data/CRF/ptodata/2/iaa/5_COMB.pep:*
2: /ABSS/Data/CRF/ptodata/2/iaa/6_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	% Query

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1	824	100.0	152	3	US-10-642-118A-2	Sequence 2, Appli
2	824	100.0	152	3	US-10-642-117-2	Sequence 2, Appli
3	824	100.0	152	3	US-10-642-100-2	Sequence 2, Appli
4	597.5	72.5	147	1	US-08-579-940-4	Sequence 4, Appli
5	597.5	72.5	147	2	US-08-838-692-6	Sequence 6, Appli
6	597.5	72.5	147	3	US-08-579-916F-4	Sequence 4, Appli
7	597.5	72.5	147	3	US-10-819-493-6	Sequence 6, Appli
8	589.5	71.5	138	3	US-10-774-076A-9	Sequence 9, Appli
9	587	71.2	137	2	US-09-647-468-153	Sequence 153, App
10	587	71.2	137	2	US-09-647-468-154	Sequence 154, App
11	584	70.9	235	2	US-08-444-644-19	Sequence 19, Appl
12	584	70.9	235	2	US-08-444-644-28	Sequence 28, Appl
13	584	70.9	235	2	US-08-444-644-42	Sequence 42, Appl
14	584	70.9	235	2	US-08-232-246A-19	Sequence 19, Appl
15	584	70.9	235	2	US-08-232-246A-28	Sequence 28, Appl
16	584	70.9	235	2	US-08-232-246A-42	Sequence 42, Appl
17	583.5	70.8	360	3	US-10-058-069-2	Sequence 2, Appli
18	583.5	70.8	470	2	US-09-238-741-4	Sequence 4, Appli
19	583.5	70.8	470	3	US-10-058-069-1	Sequence 1, Appli
20	576.5	70.0	464	2	US-09-499-662-9	Sequence 9, Appli
21	568	68.9	233	2	US-08-444-644-33	Sequence 33, Appl
22	568	68.9	233	2	US-08-232-246A-33	Sequence 33, Appl
23	567.5	68.9	136	3	US-10-768-193-7	Sequence 7, Appli
24	566.5	68.8	468	1	US-08-303-569B-7	Sequence 7, Appli
25	566.5	68.8	468	1	US-08-116-247-7	Sequence 7, Appli
26	566.5	68.8	468	2	US-09-795-515-7	Sequence 7, Appli
27	566.5	68.8	468	2	US-09-348-224-7	Sequence 7, Appli
28	566.5	68.8	468	3	US-10-704-352-7	Sequence 7, Appli
29	566.5	68.8	468	3	US-10-704-071-7	Sequence 7, Appli
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33	562	68.2	253	1	US-08-398-612A-58	Sequence 58, Appl
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35	562	68.2	253	1	US-08-491-334A-58	Sequence 58, Appl
36	562	68.2	253	2	US-09-027-449-44	Sequence 44, Appl
37	562	68.2	253	2	US-08-804-444A-44	Sequence 44, Appl
38	562	68.2	253	2	US-09-026-985-44	Sequence 44, Appl
39	562	68.2	253	2	US-09-121-952A-44	Sequence 44, Appl
40	562	68.2	253	2	US-09-234-340A-44	Sequence 44, Appl
41	562	68.2	253	2	US-09-355-014-44	Sequence 44, Appl
42	562	68.2	253	3	US-09-726-258-44	Sequence 44, Appl
43	562	68.2	253	3	US-09-489-394-44	Sequence 44, Appl
44	562	68.2	253	3	US-11-259-232-44	Sequence 44, Appl
45	561.5	68.1	130	2	US-09-556-605-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-10-642-118A-2
; Sequence 2, Application US/10642118A
; Patent No. 7247303

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; GENERAL INFORMATION:
;  APPLICANT: Thorpe, Philip E.
;  APPLICANT:  Ran, Sophia
;  TITLE OF INVENTION: Selected Antibody CDRs for Binding to Aminophospholipids
;  FILE REFERENCE: 4001.003085
;  CURRENT APPLICATION NUMBER: US/10/642,118A
;  CURRENT FILING DATE:  2003-08-15
;  PRIOR APPLICATION NUMBER: 10/642,118
;  PRIOR FILING DATE: 2003-08-15
;  PRIOR APPLICATION NUMBER: 10/621,269
;  PRIOR FILING DATE: 2003-07-15
;  PRIOR APPLICATION NUMBER: 60/396,263
;  PRIOR FILING DATE: 2002-07-15
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
;   LENGTH: 152
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-10-642-118A-2

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  Best Local Similarity   100.0%;  Pred. No. 4.1e-76;
  Matches  152;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
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Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
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RESULT 2
US-10-642-117-2
; Sequence 2, Application US/10642117
; Patent No. 7378386
; GENERAL INFORMATION:
;  APPLICANT: Thorpe, Philip E.
;  APPLICANT:  Soares, M. Melina
;  APPLICANT:  He, Jin
;  TITLE OF INVENTION: Anti-Viral Treatment Methods Using Phosphatidylethanolamine-Binding
;  TITLE OF INVENTION:  Peptide Derivatives
;  FILE REFERENCE: 4001.003182
;  CURRENT APPLICATION NUMBER: US/10/642,117
;  CURRENT FILING DATE:  2003-08-15
;  PRIOR APPLICATION NUMBER: US 10/621,269
;  PRIOR FILING DATE: 2003-07-15
;  PRIOR APPLICATION NUMBER: 60/396,263
;  PRIOR FILING DATE: 2002-07-15
;  NUMBER OF SEQ ID NOS: 9
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;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 152
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-10-642-117-2

  Query Match             100.0%;  Score 824;  DB 3;  Length 152;
  Best Local Similarity   100.0%;  Pred. No. 4.1e-76;
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Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
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RESULT 3
US-10-642-100-2
; Sequence 2, Application US/10642100
; Patent No. 7384909
; GENERAL INFORMATION:
;  APPLICANT: Thorpe, Philip E.
;  APPLICANT:  Soares, M. Melina
;  APPLICANT:  He, Jin
;  TITLE OF INVENTION: Anti-Viral Treatment Methods Using Phosphatidylethanolamine-Binding
;  TITLE OF INVENTION:  Peptides Linked to Anti-Viral Agents
;  FILE REFERENCE: 3999.003184
;  CURRENT APPLICATION NUMBER: US/10/642,100
;  CURRENT FILING DATE:  2003-08-15
;  PRIOR APPLICATION NUMBER: US 10/621,269
;  PRIOR FILING DATE: 2003-07-15
;  PRIOR APPLICATION NUMBER: 60/396,263
;  PRIOR FILING DATE: 2002-07-15
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 152
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-10-642-100-2

  Query Match             100.0%;  Score 824;  DB 3;  Length 152;
  Best Local Similarity   100.0%;  Pred. No. 4.1e-76;
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Qy         121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
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Db         121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152


RESULT 4
US-08-579-940-4
; Sequence 4, Application US/08579940
; Patent No. 5977315
;  GENERAL INFORMATION:
;    APPLICANT:  Chatterjee, Malaya
;    APPLICANT:  Kohler, Heinz
;    APPLICANT:  Foon, Kenneth A.
;    APPLICANT:  Chatterjee, Sunil K.
;    TITLE OF INVENTION:  MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY
;    TITLE OF INVENTION:  3H1
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/579,940
;      FILING DATE:  28-DEC-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Monroy, Gladys H.
;      REGISTRATION NUMBER:  32,430
;      REFERENCE/DOCKET NUMBER:  30414-20001.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  147 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-579-940-4

  Query Match             72.5%;  Score 597.5;  DB 1;  Length 147;
  Best Local Similarity   75.7%;  Pred. No. 5.3e-53;
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Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVY 148
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RESULT 5
US-08-838-692-6
; Sequence 6, Application US/08838692
; Patent No. 6235280
;  GENERAL INFORMATION:
;    APPLICANT:  Chatterjee, Malaya
;    APPLICANT:  Foon, Kenneth A.
;    APPLICANT:  Chatterjee, Sunil K.
;    TITLE OF INVENTION:  METHODS OF DELAYING DEVELOPMENT OF
;    TITLE OF INVENTION:  CEA-ASSOCIATED TUMORS USING ANTI-IDIOTYPE ANTIBODY 3H1
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  PALO ALTO
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/838,692
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Polizzi, Catherine M.
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  30414-20004.20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  147 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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US-08-838-692-6

Query Match 72.5%; Score 597.5; DB 2; Length 147;
Best Local Similarity 75.7%; Pred. No. 5.3e-53;
Matches 112; Conservative 15; Mismatches 20; Indels 1; Gaps 1;

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Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
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Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVY 148
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Db        120 VPYWYFDVWGAGTTVTVSSAKTTPPSVY 147
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RESULT 6
US-08-579-916F-4
; Sequence 4, Application US/08579916F
; Patent No. 7090842
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Malaya
; Kohler, Heinz
; Foon, Kenneth A.
; Chatterjee, Sunil K.
; TITLE OF INVENTION: RECOMBINANT MONOCLONAL ANTI-IDIOTYPE ANTIBODY 3H1
; SEQUENCES RELATING TO HUMAN CARCINOEMBRYONIC ANTIGEN
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER LLP
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,916F
; FILING DATE: 28-Dec-1995
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Monroy, Gladys H.
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 304142000120
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 4:

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;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 147 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-08-579-916F-4

  Query Match             72.5%;  Score 597.5;  DB 3;  Length 147;
  Best Local Similarity   75.7%;  Pred. No. 5.3e-53;
  Matches  112;  Conservative   15;  Mismatches   20;  Indels    1;  Gaps    1;

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Db          1 MEWSWVILFLLSGTAGVHSEVQLQQSGPELVKPGASLKISCEASGYSLTAYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              ||||||:| |:|: |||:|:||| |||||||:|||||||:| ||||||||||||
Db         61 GKSLEWVGLINPFSGDTNYSQKFTGKATLTVDRSSSTAYMELLSLTSEDSAVYYCVITP- 119

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVY 148
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Db        120 VPYWYFDVWGAGTTVTVSSAKTTPPSVY 147


RESULT 7
US-10-819-493-6
; Sequence 6, Application US/10819493
; Patent No. 7300651
;   GENERAL INFORMATION:
;        APPLICANT: Chatterjee, Malaya
;                   Foon, Kenneth A.
;                   Chatterjee, Sunil K.
;        TITLE OF INVENTION: METHODS OF DELAYING DEVELOPMENT OF
;                            CEA-ASSOCIATED TUMORS USING ANTI-IDIOTYPE ANTIBODY 3H1
;        NUMBER OF SEQUENCES: 6
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: MORRISON & FOERSTER
;             STREET: 755 PAGE MILL ROAD
;             CITY: PALO ALTO
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94304-1018
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/819,493
;             FILING DATE: 06-Apr-2004
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 10/162,396
;             FILING DATE: June 3, 2002
;             APPLICATION NUMBER: US 09/844,736
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;              FILING DATE: April 27, 2001
;              APPLICATION NUMBER: US 08/838,692
;              FILING DATE: April 9, 1997
;              APPLICATION NUMBER: US 60/044,455
;              FILING DATE: April 12, 1996
;              APPLICATION NUMBER: US 08/631,085
;              FILING DATE: April 12, 1996
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Jacobson, Jill
;              REGISTRATION NUMBER: 40,030
;              REFERENCE/DOCKET NUMBER: 304142000403
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 813-5600
;              TELEFAX: (415) 494-0792
;              TELEX: 706141
;    INFORMATION FOR SEQ ID NO: 6:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 147 amino acids
;              TYPE: amino acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-819-493-6

  Query Match             72.5%;  Score 597.5;  DB 3;  Length 147;
  Best Local Similarity   75.7%;  Pred. No. 5.3e-53;
  Matches  112;  Conservative   15;  Mismatches   20;  Indels    1;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
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Db          1 MEWSWVILFLLSGTAGVHSEVQLQQSGPELVKPGASLKISCEASGYSLTAYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
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Db         61 GKSLEWVGLINPFSGDTNYSQKFTGKATLTVDRSSSTAYMELLSLTSEDSAVYYCVITP- 119

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVY 148
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Db        120 VPYWYFDVWGAGTTVTVSSAKTTPPSVY 147


RESULT 8
US-10-774-076A-9
; Sequence 9, Application US/10774076A
; Patent No. 7223393
; GENERAL INFORMATION:
;  APPLICANT: Landolfi, Nicholas
;  APPLICANT:  Tsurushita, Naoya
;  APPLICANT:  Hinton, Paul
;  APPLICANT:  Kumar, Shankar
;  TITLE OF INVENTION: Amphiregulin Antibodies and Their Use to Treat Cancer and
;  TITLE OF INVENTION:  Psoriasis
;  FILE REFERENCE: 161 US UT01
;  CURRENT APPLICATION NUMBER: US/10/774,076A
;  CURRENT FILING DATE:  2004-02-06
;  PRIOR APPLICATION NUMBER: US 60/445,640
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;  PRIOR FILING DATE: 2003-02-07
;  PRIOR APPLICATION NUMBER: US 60/533,901
;  PRIOR FILING DATE: 2003-12-30
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
;   LENGTH: 138
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-10-774-076A-9

  Query Match             71.5%;  Score 589.5;  DB 3;  Length 138;
  Best Local Similarity   78.4%;  Pred. No. 3.2e-52;
  Matches  109;  Conservative   12;  Mismatches   17;  Indels    1;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | | |||: :|| |||||||:||||||||| |||||||:|||||||:|| ||| ||||||
Db          1 MEWRWIFLFLLSGTTGVHSEIQLQQSGPELVKPGASVKVSCKASGYAFTNYNMYWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              ||||||||:|||||||  |:|||:||||||||||||||| | |||||||||||| : |
Db         61 GKSLEWIGYIDPYYGDPGYSQKFKGKATLTVDKSSSTAYMHLNSLTSEDSAVYYCARRGN 120

Qy        121 YGHWYFDVWGAGTTVTVSS 139
              :  :||| || |||:||||
Db        121 F-PYYFDYWGQGTTLTVSS 138


RESULT 9
US-09-647-468-153
; Sequence 153, Application US/09647468
; Patent No. 6677436
; GENERAL INFORMATION:
;  APPLICANT: SATO, KOH
;  APPLICANT:  ADACHI, HIDEKI
;  APPLICANT:  YABUTA, NAOHIRO
;  TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
;  TITLE OF INVENTION:  PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODY
;  FILE REFERENCE: 053466/0289
;  CURRENT APPLICATION NUMBER: US/09/647,468
;  CURRENT FILING DATE:  2000-09-29
;  PRIOR APPLICATION NUMBER: PCT/JP99/01768
;  PRIOR FILING DATE: 1999-04-02
;  PRIOR APPLICATION NUMBER: JP 10-91850
;  PRIOR FILING DATE: 1998-04-03
;  NUMBER OF SEQ ID NOS: 183
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 153
;   LENGTH: 137
;   TYPE: PRT
;   ORGANISM: Mus sp.
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Amino acid
;   OTHER INFORMATION: sequence coding for H chain V region of ant-TF
;   OTHER INFORMATION: mouse monoclonal antibody ATR-2
US-09-647-468-153
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  Query Match             71.2%;  Score 587;  DB 2;  Length 137;
  Best Local Similarity   79.1%;  Pred. No. 5.8e-52;
  Matches  110;  Conservative   11;  Mismatches   16;  Indels    2;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|||: :|| |||||||:||||||||| |||||||:|||||||||| ||| ||||||
Db          1 MEWSWIFLFLLSGTTGVHSEIQLQQSGPELVKPGASVKVSCKASGYSFTDYNMYWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              ||||||||:|||| | | |||||:||||||||||||||:| | |||||||||||| :||
Db         61 GKSLEWIGYIDPYNGGTIYNQKFKGKATLTVDKSSSTAFMHLNSLTSEDSAVYYCARGG- 119

Qy        121 YGHWYFDVWGAGTTVTVSS 139
                :||| || |||:||||
Db        120 -EGYYFDYWGQGTTLTVSS 137


RESULT 10
US-09-647-468-154
; Sequence 154, Application US/09647468
; Patent No. 6677436
; GENERAL INFORMATION:
;  APPLICANT: SATO, KOH
;  APPLICANT:  ADACHI, HIDEKI
;  APPLICANT:  YABUTA, NAOHIRO
;  TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
;  TITLE OF INVENTION:  PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODY
;  FILE REFERENCE: 053466/0289
;  CURRENT APPLICATION NUMBER: US/09/647,468
;  CURRENT FILING DATE:  2000-09-29
;  PRIOR APPLICATION NUMBER: PCT/JP99/01768
;  PRIOR FILING DATE: 1999-04-02
;  PRIOR APPLICATION NUMBER: JP 10-91850
;  PRIOR FILING DATE: 1998-04-03
;  NUMBER OF SEQ ID NOS: 183
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 154
;   LENGTH: 137
;   TYPE: PRT
;   ORGANISM: Mus sp.
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Amino acid
;   OTHER INFORMATION: sequence coding for H chain V region of ant-TF
;   OTHER INFORMATION: mouse monoclonal antibody ATR-3
US-09-647-468-154

  Query Match             71.2%;  Score 587;  DB 2;  Length 137;
  Best Local Similarity   79.1%;  Pred. No. 5.8e-52;
  Matches  110;  Conservative   11;  Mismatches   16;  Indels    2;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|||: :|| |||||||:||||||||| |||||||:|||||||||| ||| ||||||
Db          1 MEWSWIFLFLLSGTTGVHSEIQLQQSGPELVKPGASVKVSCKASGYSFTDYNMYWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
```

```
              |||||||||:|||| | | |||||:|||||||||||||||:| | ||||||||||||  :||
Db          61 GKSLEWIGYIDPYNGGTIYNQKFKGKATLTVDKSSSTAFMHLNSLTSEDSAVYYCARGG- 119

Qy         121 YGHWYFDVWGAGTTVTVSS 139
                 :||| || |||:||||
Db         120 -EGYYFDYWGQGTTLTVSS 137


RESULT 11
US-08-444-644-19
; Sequence 19, Application US/08444644
; Patent No. 6015555
;  GENERAL INFORMATION:
;    APPLICANT:  Friden, Phillip M.
;    TITLE OF INVENTION:  TRANSFERRIN RECEPTOR SPECIFIC
;    TITLE OF INVENTION:  ANTIBODY-NEUROPHARMACEUTICAL OR DIAGNOSTIC AGENT
;    TITLE OF INVENTION:  CONJUGATES
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/444,644
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/232,246
;      FILING DATE:  07-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/800,458
;      FILING DATE:  26-NOV-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US90/05077
;      FILING DATE:  07-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US O7/404,089
;      FILING DATE:  07-SEP-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wagner, Richard W.
;      REGISTRATION NUMBER:  34,480
;      REFERENCE/DOCKET NUMBER:  ALK88-15AAAZ
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 861-6240
;      TELEFAX:  (617) 861-9540
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  235 amino acids
```

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;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
US-08-444-644-19

  Query Match             70.9%;  Score 584;  DB 2;  Length 235;
  Best Local Similarity   71.1%;  Pred. No. 2.3e-51;
  Matches  108;  Conservative   18;  Mismatches   24;  Indels    2;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|: : :|| | || |||||||||||| |||||:|:|||||||||||| ||||||||
Db          1 MEWSWVMLFLLSGTAGVRSEVQLQQSGPELVKPGASMKISCKASGYSFTGYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              |::|||||| |:|: | | ||||||: || |||||||:||||:| ||||||||||| :| |
Db         61 GENLEWIGRINPHNGGTDYNQKFKDKAPLTVDKSSNTAYMELLSLTSEDSAVYYCARGYY 120

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
              |  :  | || ||:||||||:|  |||:|| |
Db        121 Y--YSLDYWGQGTSVTVSSASTKGPSVFPLAP 150


RESULT 12
US-08-444-644-28
; Sequence 28, Application US/08444644
; Patent No. 6015555
;  GENERAL INFORMATION:
;    APPLICANT:  Friden, Phillip M.
;    TITLE OF INVENTION:  TRANSFERRIN RECEPTOR SPECIFIC
;    TITLE OF INVENTION:  ANTIBODY-NEUROPHARMACEUTICAL OR DIAGNOSTIC AGENT
;    TITLE OF INVENTION:  CONJUGATES
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/444,644
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/232,246
;      FILING DATE:  07-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/800,458
```

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;       FILING DATE:  26-NOV-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US90/05077
;       FILING DATE:  07-SEP-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/404,089
;       FILING DATE:  07-SEP-1989
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Wagner, Richard W.
;       REGISTRATION NUMBER:  34,480
;       REFERENCE/DOCKET NUMBER:  ALK88-15AAAZ
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (617) 861-6240
;       TELEFAX:  (617) 861-9540
;   INFORMATION FOR SEQ ID NO:  28:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  235 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
;     FRAGMENT TYPE:  N-terminal
US-08-444-644-28

  Query Match             70.9%;  Score 584;  DB 2;  Length 235;
  Best Local Similarity   71.1%;  Pred. No. 2.3e-51;
  Matches  108;  Conservative   18;  Mismatches   24;  Indels    2;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|: : :|| | || ||||||||||| |||||:|:|||||||||||| ||||||||
Db          1 MEWSWVMLFLLSGTAGVRSEVQLQQSGPELVKPGASMKISCKASGYSFTGYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              |::|||| |:|: | | |||||: || |||||||:||||:| |||||||||||| :| |
Db         61 GENLEWIGRINPHNGGTDYNQKFKDKAPLTVDKSSNTAYMELLSLTSEDSAVYYCARGYY 120

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
                 |  :  | || ||:||||||:|  |||:|| |
Db        121 Y--YSLDYWGQGTSVTVSSASTKGPSVFPLAP 150


RESULT 13
US-08-444-644-42
; Sequence 42, Application US/08444644
; Patent No. 6015555
;  GENERAL INFORMATION:
;    APPLICANT:  Friden, Phillip M.
;    TITLE OF INVENTION:  TRANSFERRIN RECEPTOR SPECIFIC
;    TITLE OF INVENTION:  ANTIBODY-NEUROPHARMACEUTICAL OR DIAGNOSTIC AGENT
;    TITLE OF INVENTION:  CONJUGATES
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  USA
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;       ZIP:  02173
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/444,644
;       FILING DATE:
;       CLASSIFICATION:  424
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/232,246
;       FILING DATE:  07-JUL-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/800,458
;       FILING DATE:  26-NOV-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US90/05077
;       FILING DATE:  07-SEP-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US O7/404,089
;       FILING DATE:  07-SEP-1989
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Wagner, Richard W.
;       REGISTRATION NUMBER:  34,480
;       REFERENCE/DOCKET NUMBER:  ALK88-15AAAZ
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (617) 861-6240
;       TELEFAX:  (617) 861-9540
;   INFORMATION FOR SEQ ID NO:  42:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  235 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
;     FRAGMENT TYPE:  N-terminal
US-08-444-644-42

  Query Match             70.9%;  Score 584;  DB 2;  Length 235;
  Best Local Similarity   71.1%;  Pred. No. 2.3e-51;
  Matches  108;  Conservative   18;  Mismatches   24;  Indels    2;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|: : :|| | || |||||||||||| |||||:|:|||||||||||| |||||||
Db          1 MEWSWVMLFLLSGTAGVRSEVQLQQSGPELVKPGASMKISCKASGYSFTGYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              |::|||||  |:|: | | |||||: || |||||||:||||:| |||||||||||| :| |
Db         61 GENLEWIGRINPHNGGTDYNQKFKDKAPLTVDKSSNTAYMELLSLTSEDSAVYYCARGYY 120

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
              |  :  | || ||:||||||:|  |||:|| |
Db        121 Y--YSLDYWGQGTSVTVSSASTKGPSVFPLAP 150


RESULT 14
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US-08-232-246A-19
; Sequence 19, Application US/08232246A
; Patent No. 6329508
;  GENERAL INFORMATION:
;    APPLICANT:  Friden, Phillip M.
;    TITLE OF INVENTION:  TRANSFERRIN RECEPTOR SPECIFIC
;    TITLE OF INVENTION:  ANTIBODY-NEUROPHARMACEUTICAL OR DIAGNOSTIC AGENT
;    TITLE OF INVENTION:  CONJUGATES
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,246A
;      FILING DATE:  04-MAY-1994
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/800,458
;      FILING DATE:  26-NOV-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US90/05077
;      FILING DATE:  07-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US O7/404,089
;      FILING DATE:  07-SEP-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wagner, Richard W.
;      REGISTRATION NUMBER:  34,480
;      REFERENCE/DOCKET NUMBER:  ALK88-15AAA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 861-6240
;      TELEFAX:  (617) 861-9540
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  235 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
US-08-232-246A-19

  Query Match             70.9%;  Score 584;  DB 2;  Length 235;
  Best Local Similarity   71.1%;  Pred. No. 2.3e-51;
  Matches  108;  Conservative   18;  Mismatches   24;  Indels    2;  Gaps    1;
```

```
Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|: : :|| | || |||||||||||| |||||:|:|||||||||||| ||||||||
Db          1 MEWSWVMLFLLSGTAGVRSEVQLQQSGPELVKPGASMKISCKASGYSFTGYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              |::|||| |:|: | | |||||: || |||||||:||||:| |||||||||||| :| |
Db         61 GENLEWIGRINPHNGGTDYNQKFKDKAPLTVDKSSNTAYMELLSLTSEDSAVYYCARGYY 120

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
              |  :  | || ||:||||||:|  |||:|| |
Db        121 Y--YSLDYWGQGTSVTVSSASTKGPSVFPLAP 150


RESULT 15
US-08-232-246A-28
; Sequence 28, Application US/08232246A
; Patent No. 6329508
;  GENERAL INFORMATION:
;    APPLICANT:  Friden, Phillip M.
;    TITLE OF INVENTION:  TRANSFERRIN RECEPTOR SPECIFIC
;    TITLE OF INVENTION:  ANTIBODY-NEUROPHARMACEUTICAL OR DIAGNOSTIC AGENT
;    TITLE OF INVENTION:  CONJUGATES
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,246A
;      FILING DATE:  04-MAY-1994
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/800,458
;      FILING DATE:  26-NOV-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US90/05077
;      FILING DATE:  07-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US O7/404,089
;      FILING DATE:  07-SEP-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wagner, Richard W.
;      REGISTRATION NUMBER:  34,480
;      REFERENCE/DOCKET NUMBER:  ALK88-15AAA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 861-6240
;      TELEFAX:  (617) 861-9540
;  INFORMATION FOR SEQ ID NO:  28:
```

```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  235 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    FRAGMENT TYPE:  N-terminal
US-08-232-246A-28

  Query Match             70.9%;  Score 584;  DB 2;  Length 235;
  Best Local Similarity   71.1%;  Pred. No. 2.3e-51;
  Matches  108;  Conservative   18;  Mismatches   24;  Indels    2;  Gaps    1;

Qy          1 MGWTWIFILILSVTTGVHSEVQLQQSGPELEKPGASVKLSCKASGYSFTGYNMNWVKQSH 60
              | |:|: : :|| | || |||||||||||| |||||:|:|||||||||||| ||||||||
Db          1 MEWSWVMLFLLSGTAGVRSEVQLQQSGPELVKPGASMKISCKASGYSFTGYTMNWVKQSH 60

Qy         61 GKSLEWIGHIDPYYGDTSYNQKFRGKATLTVDKSSSTAYMQLKSLTSEDSAVYYCVKGGY 120
              |::|||||| |:|: | | ||||| || |||||||:||||:| |||||||||||| :| |
Db         61 GENLEWIGRINPHNGGTDYNQKFKDKAPLTVDKSSNTAYMELLSLTSEDSAVYYCARGYY 120

Qy        121 YGHWYFDVWGAGTTVTVSSATTTAPSVYPLVP 152
              |  :  | || ||:||||||:|  |||:|| |
Db        121 Y--YSLDYWGQGTSVTVSSASTKGPSVFPLAP 150


Search completed: October 27, 2008, 19:54:25
Job time : 149.591 secs
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